Claims

1. A protein chip detecting system for parallel detection of multiple indices, comprising

a protein chip for parallel detection of multiple indices,

a mixed solution of two or more proteins prepared in a particular ratio of concentrations and bearing luminescent labels, i.e., reactive solution,

a series of mixed solutions of proteins to be detected at known and increasing concentrations, i.e. standard samples solutions, and

a solution for rinsing protein chips,

wherein the formulae of said standard sample solutions are as follows: 40%-60% fetal bovine serum, various highly concentrated purified antigens, and 0.02-0.1‰ NaN_3, or

pH 7.0-7.8 0.05M PB (KH_2PO_4-Na_2HPO_4), 2-30% BSA, 1.5-2.5% sucrose, 0.02-0.1‰ NaN_3 and various highly concentrated purified antigens.

2. A method for preparing the protein chip detecting system as described in claim 1, wherein the protein chip is obtained by the following steps:

1) various proteins to be detected (briefly called target protein A) and antigens, antibodies or receptors and the like specific for A (briefly called B), such as endogenous disease-marker proteins and proteins that can specifically bind to them, are determined;

2) B as described above, i.e. various protein probes are dissolved in a coating solution in particular concentration, and then are spotted onto the solid phase support by automated chip spotting system, wherein the spotting density is 25-200 spots/cm^2 and the spotting amount is 0.1-10ng/spot;

3) the resulting product is placed overnight at 4°C;

4) the protein chip is blocked with a blocking solution;

5) the protein chip is dried and stored at 4°C,

wherein the formula of said coating solution is as follows: PB (KH_2PO_4-Na_2HPO_4), pH 7.0-8.0.

3. A method for preparing the protein chip detecting system as described in claim 2, wherein the formula of said blocking solution is PB (KH_2PO_4-Na_2HPO_4) containing 1-9% BSA, 1-9% sucrose and 0.01-1‰ NaN_3.